

PTO/SB/08A (10-01)

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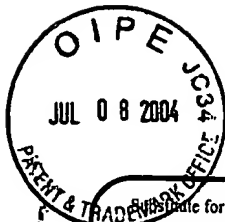
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	08/822,438
				Filing Date	March 21, 1997
				First Named Inventor	Bovio et al.
				Group Art Unit	2879
				Examiner Name	A. Patel
Sheet	1	of	4	Attorney Docket Number	3168-6396US (COMP:0121 (200304638-1))

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
ap		US-4,111,533	09/1978	Nakamura et al.	
ap		US-4,165,607	08/1979	Fedorowicz et al.	
ap		US-4,422,728	12/1983	Andreaggi	
ap		US-4,755,035	07/1988	Kopish et al.	
ap		US-4,781,422	11/1988	Kimble	
ap		US-4,937,709	08/1990	Yanagi et al.	
ap		US-4,959,887	10/1990	Gruenberg et al.	
ap		US-5,102,084	04/1992	Park	
ap		US-5,103,377	04/1992	Kobayashi et al.	
ap		US-5,168,426	12/1992	Hoving et al.	
ap		US-5,173,837	12/1992	Blackwell et al.	
ap		US-5,195,213	03/1993	Ohgami et al.	
ap		US-5,216,411	08/1993	Ashitomi et al.	
ap		US-5,233,502	08/1993	Beatty et al.	
ap		US-5,238,421	08/1993	Kobayashi	
ap		US-5,276,589	01/1994	Bartlett et al.	
ap		US-5,328,379	07/1994	Kobayashi	
ap		US-5,432,626	07/1995	Sasuga et al.	
ap		US-5,467,106	11/1995	Salomon	
ap		US-5,467,504	11/1995	Yang	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² - Number ³ - Kind Code ³ (if known)				
ap		JP 52-045367	04/1997	Seiko Instr & Electronics Ltd.		X
		JP 59-020273	02/1984	Sharp Corp		X
		JP 62-137479	08/1987	Sanyo Electric Co		X
		JP 62-289931	11/1987	Matsushita Electric Ind Co Ltd.		X
		JP-03-006870	01/1991	Casio Comput Co Ltd		X
		JP 01-59223	04/1989	Tanaka		X
		JP 01-094983	04/1989	Kyushu Hitachi Maxwell Ltd.		X
		EP 0 317 261	05/1989	Morita et al.		
		JP 01-211721	08/1989	Kawamoto et al.		X
ap		JP 01-237591	09/1989	Toshiba Corp		X

Examiner Signature	<i>Ashish</i>	Date Considered	9/12/04
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 4

Complete if Known

Application Number	08/822,438
Filing Date	March 21, 1997
First Named Inventor	Bovio et al.
Group Art Unit	2879
Examiner Name	A. Patel
Attorney Docket Number	3168-6396US (COMP:0121 (200304638-1))

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		Number - Kind Code ² (if known)			
ap		US- 5,479,285	12/1995	Burke	
ap		US- 5,494,447	02/1996	Zaidan	
ap		US- 5,504,605	04/1996	Sakuma et al.	
ap		US- 5,559,670	09/1996	Flint et al.	
ap		US- 5,566,048	10/1996	Esterberg et al.	
ap		US- 5,568,357	10/1996	Kochis et al.	
ap		US- 5,619,351	04/1997	Funamoto et al.	
ap		US- 5,634,351	06/1997	Larson et al.	
ap		US- 5,636,101	06/1997	Bonsall et al.	
ap		US- 5,636,102	06/1997	Fujino et al.	
ap		US- 5,654,779	08/1997	Nakayama et al.	
ap		US- 5,666,172	09/1997	Ida et al.	
ap		US- 5,680,183	10/1997	Sasuga et al.	
ap		US- 5,682,645	11/1997	Watabe et al.	
ap		US- 5,771,539	06/1998	Wahlstedt et al.	
ap		US- 5,777,704	07/1998	Selker	
ap		US- 5,835,139	11/1998	Yun et al.	
ap		US- 5,926,237	07/1999	Yun et al.	
ap		US- 6,002,457	12/1999	Yun et al.	
ap		US- 6,020,942	02/2000	Yun et al.	
ap		US- 6,373,537 B2	04/2002	Yun et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
ap		JP 02-79893	03/1990	Kimoto & Co. Ltd.		X
		JP 02-083573	06/1990	Clarion Inc		X
		JP 02-244190	09/1990	Hitachi Ltd.		X
		EP 0 425 793	09/1991	Satou		
		JP 03-156488	07/1991	NEC Corp		X
		EP 0 454 120	10/1991	Miyagawa et al.		
ap		JP 04-020086	02/1992	Toshiba Corp/Toshiba Electronic Engineering Corp		X

Examiner
Signature

Ashok

Date
Considered

9/12/04

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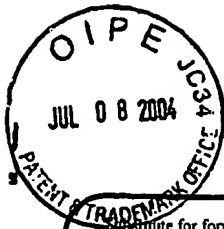
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ap		JP 04-051595		02/1992	Masashi et al.		X
		DE 41 20 950		12/1992	Murase et al.		X
		EP 0 532 284		03/1993	Komano		
		JP 05-080334		04/1993	Rohm Co Ltd		X
		JP 05-50428		02/1993	Tokyo Electric		X
		JP 06-021018		03/1994	Japan Aviation Electron Ind Ltd		X
		EP 0 604 872		07/1994	Satoshi		
		JP 3001011		06/1994	Funai Electric Co Ltd		X
		JP 06-348364		12/1994	Kyocera Corp		X
		JP 07-099394		04/1995	Sharp Corp		X
		JP 07-199180		08/1995	Hitachi Ltd/Hitachi Device Eng		X
		JP 07-261187		10/1995	Hitachi Ltd/Hitachi Device Eng		X
		JP 07-281184		10/1995	Hitachi Ltd/Hitachi Device Eng		X
		JP 07-044577		11/1995	Sanyo Electric Co		X
		JP 07-044579		11/1995	Sanyo Electric Co		X
		JP 08-211964		08/1996	Hitachi Ltd		X
		GB 2 305 689		04/1997	Slow et al.		
		GB 2 305 690		04/1997	Quek et al.		
		JP 09-146466		06/1997	Sanyo Electric Co Ltd		X
	ap		JP 09-199875		07/1997	Matsushita Electric Ind Co Ltd	
		JP 09-297542		11/1997	Toshiba Corp		X

Examiner Signature		Date Considered	9/12/04
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	Examiner Name	A. Patel
Attorney Docket Number		3168-6396US (COMP-0121 (200304638-1))

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ab		IBM Technical Disclosure Bulletin, Vol. 39, No. 01. § 71-73 "Structure Design for Liquid Crystal Display Module," 01/1996.	
		IBM Technical Disclosure Bulletin, Vol. 33, No. 9 § 261-262 "High Efficiency Back Light for LCD," 02/1991.	
		IBM Technical Disclosure Bulletin, Vol. 37, No. 12 "Cell Support Assembly without Screw," 12/1994.	
		Advanced Display Inc. "14.2 XGA (Ver.2) Technical Data, AA142XB11," 02/1997.	
		KAWAMOTO et al., "Color-Liquid-Crystal Display for Automotive Instrument Panel," Toshiba Review, 12/1984, 1071-1074.	X
ab		"Nikkei Microdevice Special Issue Flat Panel Display 1997" (20.12.1996) pg. 49, Nikkei BP	X
ab		Declaration of Robert C. Frame, dated 2/24/2004, pp. 1-14.	
ab		Declaration of Michele B. Bovio, dated 2/28/2004, pp. 1-9.	

Examiner Signature		Date Considered	9/12/04
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number

08/822,438

Filing Date

March 21, 1997

First Named Inventor

Bovio et al.

Group Art Unit

2879

Examiner Name

A. Patel

Attorney Docket Number

3168-6396US (COMP:0121 (200304638-1))

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

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